

Comparisons of Job Characteristics

Focus Occupation: Bridge and Lock Tenders (53-6011)

Associated Occupation: Rail Yard Engineers, Dinkey Operators, and Hostlers (53-4013)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Bridge and Lock Tenders (53-6011)

Associated Occupation: Rail Yard Engineers, Dinkey Operators, and Hostlers (53-4013)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Transportation	4.6	16.6	6.7	<< Extensive education and/or training may be required
Public Safety and Security	6.9	12.4	14.0	> Current knowledge level is likely sufficient
Telecommunications	3.9	8.6	5.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Bridge and Lock Tenders (53-6011)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	12.3	8.4	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	12.0	8.2	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	9.6	7.4	< A higher skill level may be required
Troubleshooting	4.5	8.0	6.2	< A higher skill level may be required
Repairing	3.4	6.9	5.8	< A higher skill level may be required
Equipment Selection	3.3	5.7	4.1	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 86

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Far Vision	7.8	12.3	9.5	<<	Extensive improvement in abilities may be required
Control Precision	6.6	12.2	10.2	<	Some improvement in abilities may be required
Reaction Time	4.8	11.6	8.1	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	11.4	7.1	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	11.1	6.6	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	11.0	7.6	<<	Extensive improvement in abilities may be required
Rate Control	3.8	10.3	6.9	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	9.2	4.5	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.0	5.4	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	6.5	4.2	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	6.1	5.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Bridge and Lock Tenders (53-6011)

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Work Activities	Exclusivity of Activity
Perform safety inspections in transportation setting	62
Understand technical operating, service or repair manuals	6
Use two-way radio or mobile phone	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

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Associated Occupation: Rail Yard Engineers, Dinkey Operators, and Hostlers (53-4013)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.